

Acision RCS-e Solution



Key Benefits:

- Complete RCS-e solution supporting chat, group chat, file transfer and video sharing
- Additional store and forward capability for off-line devices
- Part of Acision’s integrated IP Communications solution including Charging and Policy Control for management and monetization of IP services
- Assurance of SMS service continuity across networks and technologies, supporting communication with non-RCS-e devices
- Seamless migration approach from today’s SMS and MMS platforms
- Based on Acision’s long-standing experience and expertise in SIP and IP Messaging

The RCS-e initiative

Rich Communication Suite – enhanced (RCS-e) is a pragmatic solution that provides the operator with the ability to address both the short term competitive pressures and the long term technology evolution to all IP environments. Five of the leading European operators, Deutsche Telekom, Orange, Telecom Italia, Telefónica and Vodafone (the “G5 group”), initiated first steps towards the implementation of RCS based services, dubbed RCS-e. Many of the device manufacturers have also committed to RCS-e and will launch RCS-e capable devices shortly.

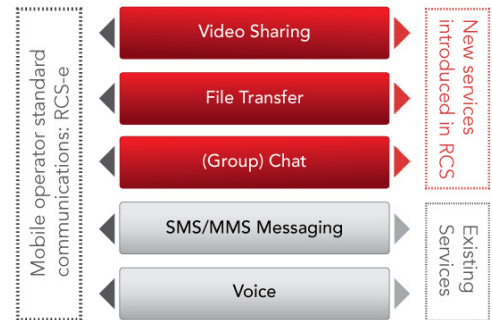
The vision for RCS-e is to allow subscribers to create their own personal community in which each member can interact with each other using their existing global user ID (i.e. their mobile phone number). In essence, the RCS-e initiative is focusing on extending the communication options in a mobile network. Traditionally, a mobile subscription comes standard with Voice and SMS/MMS

messaging services. With the launch of RCS-e, mobile users can also choose to communicate through (group) chat, transfer a specific file to another user, or share videos during a call, by activating a camera.

The key objective of the initiative is to deliver an enhanced communications experience which is more relevant and personal to the individual subscriber.

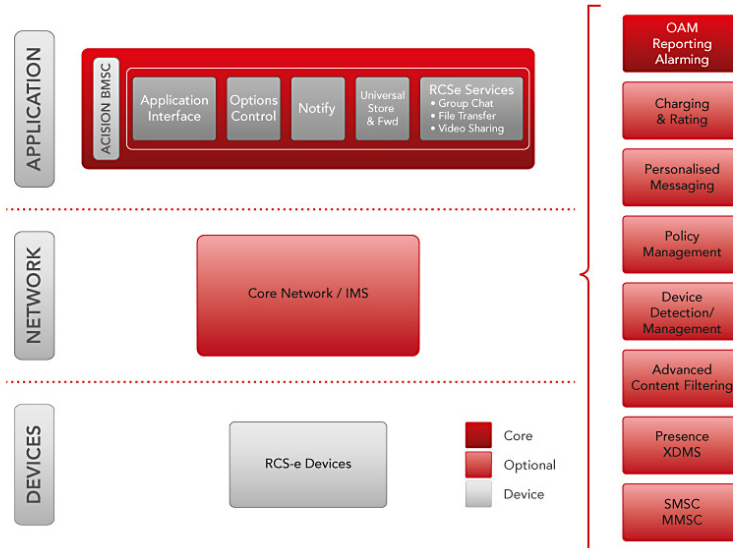
The core features of RCS-e are:

- **Service capability discovery:** provides the user with a clear view of a contact’s status, indicating which RCS-e services are available, to choose the preferred communications option. For example, a customer would see if their contact is in an area with 3G coverage and is able to receive video.
- **Enhanced voice:** provides the ability for subscribers to share video or images while on an active call, improving the traditional calling experience and allowing the participants to share real-time video experiences.
- **Enhanced messaging:** evolves the messaging experience to increase social sharing and business collaboration. Examples include peer-to-peer and group messaging; threaded cross-platform conversational views; multi-media file transfers; and multi-device communications, enabling the access of services from a range of devices.



Acision’s RCS-e Solution

Acision firmly supports the RCS-e initiative. For Acision, RCS-e is the pre-cursor for the move of all core communication services to a full IP environment. At the time of national coverage of LTE, traditional voice and messaging services can be delivered on this all IP network for lower network cost.



Acision’s RCS-e solution provides:

- Support for RCS-e services including chat, group chat, file transfer and video sharing.
- Store and forward capability, required in case the destination device is off-line.
- Support for non-RCS-e devices through SMS continuity. This can be supported with Acision’s IPSM Gateway.
- Support for different business and monetisation models ensuring that the RCS-e services work in the end-to-end context (pay per minute, pay per message, pay per Kb) while offering policy control for guaranteed quality of experience.
- Seamless migration approach from today’s existing messaging platforms (SMS, MMS) to a consolidated messaging environment: Acision Broadband Messaging Service Centre (BMSC).
- A broad solution view encompassing the communication application server (RCS-e services solution), with signalling (IMS Core), IP Service Control (PCRF, PCEF) and Charging Control (OCS).

The Acision RCS-e solution is reflecting Acision’s long-standing experience and expertise in SIP and IP Messaging. Activities in IP Messaging include:

- Leadership of the COMET (Converged Messaging Technology) consortium which worked with partners on a converged messaging solution. COMET is an R&D project subsidised by the European Commission.
- Participation in COMESI (COVerged MultimEdia communication Suite over IMS), which aimed at creating a mobile version of the Internet’s popular Instant Messaging services.
- Leading role in standardisation for 4G messaging (3GPP/LTE, OMA, GSMA RCS, IMS Forum).

For more information

To contact your nearest regional office, please visit our website or email: contact@acision.com

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Summary

Mobile network operators are in the midst of changes that will significantly change business and operations. Smart phone adoption has altered when and where consumers connect and encouraged an entirely new range of IP based services. Next to this changing consumer landscape, the core network technologies are in the process of transitioning to all IP 4G networks, based on long term evolution (LTE) and IP multimedia subsystem (IMS) technologies

Acision’s RCS-e solution is based on our long-standing expertise in SIP and IP Messaging. With full communication support of non-RCS-e devices, Operators are provided with assurance of SMS service continuity across all networks and technology types. This allows for a seamless evolution approach from today’s SMS and MMS platforms. Capabilities of Acision’s RCS-e solution include chat, group chat, file transfer, video sharing as well as providing additional store and forward capability for off-line devices. As part of Acision’s integrated IP Communications solution that includes Charging and Policy Control, operators have complete management and monetisation control of all IP services. Acision also has the ability to provide operators with RCS 2.0 and presence capabilities.